



## Product Sheet

# PKB766 PLASMID IN ESCHERICHIA COLI K12 (39858)

Please read this FIRST



## Intended Use

This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

## Shipping Information

Distributed: freeze-dried

American Type Culture Collection  
PO Box 1549  
Manassas, VA 20108 USA  
[www.atcc.org](http://www.atcc.org)

800.638.6597 or 703.365.2700  
Fax: 703.365.2750  
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**U.S. Patent Number:**  
4,839,286

## Technical Information

ATCC Technical Services does not have technical information on patent deposits that are not produced or characterized by ATCC. Additional information can be found on the international or [U.S. patent office](#) websites.

## Product Description

**Designation:** PKB766 PLASMID IN ESCHERICHIA COLI K12  
**Organism:** *Escherichia coli* (Migula) Castellani and Chalmers

## Batch-Specific Information

Refer to the Certificate of Analysis for batch-specific test results.

## SAFETY PRECAUTION

ATCC highly recommends that protective gloves and clothing always be used and a full face mask always be worn when handling frozen vials. It is important to note that some vials leak when submersed in liquid nitrogen and will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vessel exploding or blowing off its cap with dangerous force creating flying debris.

## Unpacking & Storage Instructions

1. Check all containers for leakage or breakage.
2. Remove the frozen cells from the dry ice packaging and immediately place the cells at a temperature below -130°C, preferably in liquid nitrogen vapor, until ready for use.

## Comments

Restriction digests of the clone give the following sizes (kb): EcoRI/BglII--1.2, 2.2; EcoRI--3.5; NcoI--3.5. Promoter cloning vector containing the complete coding sequence for pheA. Expression can be determined by testing for secretion of phenylalanine and cross-feeding of phenylalanine auxotrophs. The construct contains a weak attenuator sequence at the 5' end of the pheA coding sequence.

## Propagation

### Complete Growth Medium

ATCC® Medium 1315: LB Medium (ATCC medium 1065) with 100 mg/L ampicillin

## Notes

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EcoRI/BglII--1.2, 2.2; EcoRI--3.5; NcoI--3.5.  
- ATCC staff

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attenuator sequence at the 5' end of the pheA coding sequence.  
- U.S. Pat. 4,839,286 dated June 13, 1989

.patent

## References

References and other information relating to this product are available online at [www.atcc.org](http://www.atcc.org).

## Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

## ATCC Warranty

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